

WHAT IS CLAIMED IS:

1. An apparatus for positioning medical treatment devices or treatment supporting devices by a transportation means to move said devices to a predetermined position, wherein said transportation means includes an automatically guided transport system.

2. The apparatus as set forth in claim 1, wherein said transportation means comprises a movable vehicle on which said device is positioned.

3. The apparatus as set forth in claim 1 or 2, wherein said automatically guided transport system comprises at least one of the following navigation systems:

- optical tracking, particularly by means of a ground guidance band, actual value markers as well as an optical sensor and a path measuring system provided at said transportation means;
- laser navigation, particularly by means of a laser, reflectors and a path measuring system provided at said transportation means;
- magnetic navigation, particularly by means of a ground floor magnetic track as well as a magnetic strip, gyroscope and path measuring system provided at said transportation means;
- inductive guidance, particularly by means of a ground guidance wire with frequency generator, actual value generators as well as driving and steering antennae and a path measuring system provided at said transportation means.

4. The apparatus as set forth in any of claims 1 to 3, wherein said device is a nuclear spin tomograph.

5. The apparatus as set forth in claim 4, wherein said nuclear spin tomographic device comprises super-conductive coils of a magnetic flux density of approximately 0.5 Tesla.

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6. The apparatus as set forth in any of claims 1 to 3, wherein said device is one of the following:

- a device related to computer tomography;
- an x-ray bow;
- a microscope, particularly a surgical microscope;
- an operating table;
- a surgeon's stool;
- a treatment navigation device;
- anesthesia-related devices;
- vehicle for accessories;
- autoclave devices;
- patient-supervising monitors;
- sterile material.

7. The apparatus as set forth in any of claims 1 to 6, wherein said transport system is provided at the transportation means and comprises a radio or wire interface for external control.

8. A method for positioning medical treatment devices or treatment supporting devices, said devices being moved to a predetermined position by a transportation means, wherein said transportation means is controlled by an automatically guided transport system.

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9. The method as set forth in claim 8, wherein said automatically guided transport system uses at least one of the following navigation systems for steering purposes:

- optical tracking, particularly by means of a ground guidance band, actual value markers as well as an optical sensor and a path measuring system provided at said transportation means;
- laser navigation, particularly by means of a laser, reflectors and a path measuring system provided at said transportation means;
- magnetic navigation, particularly by means of a ground floor magnetic track

as well as a magnetic strip, gyroscope and path measuring system provided at said transportation means;

- inductive guidance, particularly by means of a ground guidance wire with frequency generator, actual value generators as well as driving and steering antennae and a path measuring system provided at said transportation means.

10. The method as set forth in claim 8 or 9, wherein a mobile nuclear spin tomographic device is transported.

11. The method as set forth in claim 8 or 9, wherein one of the following devices is being transported:

- a device related to computer tomography;
- an x-ray bow;
- a microscope, particularly a surgical microscope;
- an operating table;
- a surgeon's stool;
- a treatment navigation device;
- anesthesia-related devices;
- vehicle for accessories;
- autoclave devices;
- patient-supervising monitors;
- sterile material.

12. The method as set forth in any of claims 8 to 11, wherein said transport system is provided at said transportation means and is externally activated via a radio or wire interface.

13. The use of an automatically guided transport system for positioning medical treatment devices or treatment supporting devices by a transportation means to move said devices to a predetermined position.

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